

\*\*\*\*\* NOTE \*\*\*\* NOTE \*\*\*\*\* FOR INTERNAL USE ONLY \*\*\*\*\* NOTE \*\*\*\* NOTE \*\*\*\*\*

LOCATION	: WESTERN SPRING	LINE SEGMENT	: 71	AFE NUMBER	:
PLANITEM NUMBER	: 000092963	MILEPOST	: 0014.77	RFA NUMBER	: 4343104
PROPERTY OF	: BNSF RAILWAY COMPANY	DIVISION	: CH	CPAR NUMBER	: C0000002
OPERATED BY	: BNSF RAILWAY COMPANY	SUBDIVISION	: CHICAGO	BUDGET YEAR	: 2004
JOINT FACILITY	: ICC & METRA	TRACK TYPE	: 2	BUDGET CLASS	: 10
% BILLABLE (+/-)	: 082.50	TAX STATE	: IL COUNTY: COOK	REPORTING OFFICE	: 455
REQUESTER ID	: Q891 - WILLIE MERRILL	MATL DATE	: 01/08/2004	SPONSOR	: VP ENGIN
PROJECT TYPE	: SGX	LOCATION CODE	: 381187	DEPT CODE	: MOWGH
DOT NUMBER	:			DERAILMENT CODE	:

PURPOSE, JUSTIFICATION AND DESCRIPTION

SIGNAL COST ESTIMATE TO INSTALL CONSTANT WARNING AT GILBERT AVE., RE-USE EXISTING FLASHERS & GATES AND INSTALL LED INSERTS. L/S-0071, MP. 14.77, CHICAGO DIV., CHICAGO SUBDIV.

THE MATERIAL LIST BELOW REFLECTS TYPICAL REPRESENTIVE PACKAGES USED FOR ESTIMATING PURPOSE ONLY.

THEY CAN BE EXPECTED TO CHANGE AFTER THE ENGINEERING PROCESS, DETAILED AND ACCURATE MATERIAL LISTS WILL BE FURNISHED WHEN ENGINEERING IS COMPLETED.

CONTINUING CONTRACTS HAVE BEEN ESTABLISHED FOR PORTIONS OF SIGNAL WORK ON THE BNSF RAILROAD.

THIS ESTIMATE GOOD FOR 90 DAYS. THEREAFTER THE ESTIMATE IS SUBJECT TO CHANGE IN COST FOR MATERIAL, LABOR, AND OVERHEADS.

\*\*\*\*\* SIGNAL WORK ONLY \*\*\*\*\*

ICC IS FUNDING 50% OF TOTAL PROJECT \$ 163,028.50  
METRA IS FUNDING 65% OF THE REMAINING 50% \$ 105,967.50  
BNSF IS FUNDING 35% OF THE REMAINING 50% \$ 57,061.00

MAINTAIN PROPRIETARY CONFIDENTIALITY.

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	CASH CAPITAL	NONCASH CAPITAL	OPERATING EXP	REMOVAL COST	BILLABLE	TOTALS
LABOR COSTS	26,287	0	0	0	123,924	150,211
MATERIAL COSTS	23,140	0	0	0	109,089	132,229
OTHER COSTS	7,634	0	0	0	35,983	43,617
TOTALS	57,061	0	0	0	268,996	326,057

ENGINEERING SERVICES - KANSAS CITY  
ESTIMATE REF. NUMBER : 000092963 - 1-43-2S  
COSTING DATE : 03/04/2004

PRINTED ON : 03/12/2004  
ESTIMATED BY : JOHNSON  
PRINTED BY : JOHNSON

ACCT	CST	RSN	PPE	DESCRIPTION	QTY/ST	OT U/M	CASH	NONCASH	OPER	REMOVAL
8		400	9911	SIGNAL FIELD LABOR - CAP	1780.00	0.0 MH	37,893			
* LABOR SUBTOTAL							37,893	0	0	0
1120	313	400	9911	AX RELAYS	3.0	EA N	1,500			
1120	313	400	9911	BATTERY	1.0	LS N	7,550			
1120	313	400	9911	BUNGALOW 6X8	1.0	EA N	6,028			
1120	313	400	9911	BUNGALOW MATERIAL	1.0	LS N	7,396			
1120	313	400	9911	CABLE	1.0	LS N	4,000			
1120	313	400	9911	CHARGERS	1.0	LS N	1,355			
1120	313	400	9911	CONDUIT, PVC 4", SCH 80	120.0	FT N	468			
1120	313	400	9911	CONSTANT WARNING	3.0	EA N	39,048			
1120	313	400	9911	FIELD MATERIAL	1.0	LS N	5,460			
1120	313	400	9911	INDICATION PANEL	1.0	EA N	800			
1120	313	400	9911	LAMP RESISTOR PANEL	1.0	EA N	735			
1120	313	400	9911	LED GATE KIT	2.0	EA N	732			
1120	313	400	9911	LED LIGHT COST ADJUSTMENT	12.0	EA N	3,048			
1120	313	400	9911	LIGHT OUT DETECTOR	1.0	EA N	659			
1120	313	400	9911	MISC. MATERIAL	1.0	LS N	3,000			
1120	313	400	9911	RECORDER	1.0	EA N	2,145			
1120	313	400	9911	SHUNT, NBS	6.0	EA N	1,794			
1120	313	400	9911	SPREAD SPECTRUM RADIO	1.0	LS N	25,000			
1120	313	400	9911	TRK REPEATER RELAYS	6.0	EA N	3,000			
* MATERIAL SUBTOTAL							113,718	0	0	0
1120	367	400	9911	CONTRACT ENGR.	1.0	LS N	12,000			
1120	790	400	9911	FILL DIRT	10.0	CY N	250			
1120	790	400	9911	SURFACE ROCK	10.0	CY N	250			
* OTHER SUBTOTAL							12,500	0	0	0
* ADDITIVES							30,568			
PAYROLL ASSOCIATED COSTS							30,568			
EQUIPMENT EXPENSES							9,514			
DA LABOR OVERHEADS							34,096			
INSURANCE EXPENSES							5,975			
USE TAX							7,453			
OFFLINE TRANSPORTATION							1,425			
* GANG TOTAL							253,142	0	0	0
8		400	9911	SIGNAL SHOP LABOR - CAP	104.00	0.0 MH	2,294			
* LABOR SUBTOTAL							2,294	0	0	0
* ADDITIVES							1,850			
PAYROLL ASSOCIATED COSTS							1,850			
EQUIPMENT EXPENSES							576			
DA LABOR OVERHEADS							2,064			
INSURANCE EXPENSES							361			
* GANG TOTAL							7,145	0	0	0
8		241		PLACE FIELD WELDS - CAP	240.00	21.6 MH	5,446			
* LABOR SUBTOTAL							5,446	0	0	0
1120	308	200		WELDKIT, GENERIC FOR ALL RAIL WEIGHT	30.0	KT X	1,590			
* MATERIAL SUBTOTAL							1,590	0	0	0
* ADDITIVES							4,393			
PAYROLL ASSOCIATED COSTS							4,393			
EQUIPMENT EXPENSES							1,367			
DA LABOR OVERHEADS							4,900			
INSURANCE EXPENSES							858			
MATERIAL HANDLING							79			
USE TAX							104			
OFFLINE TRANSPORTATION							20			
* GANG TOTAL							18,757	0	0	0

ACCT	CST	RSN	PPE	DESCRIPTION	QTY/ST	OT U/M	CASH	NONCASH	OPER	REMOVAL
8		241		PLACE RAIL - CAP	120.00	10.8 MH	2,587			
* LABOR SUBTOTAL							2,587	0	0	0
1120	308	200		RAIL, 136 LB NEW WELDED, PREMIUM :	600.0	LF X	6,840			
* MATERIAL SUBTOTAL							6,840	0	0	0
* ADDITIVES							2,086			
							EQUIPMENT EXPENSES			
							649			
							DA LABOR OVERHEADS			
							2,327			
							INSURANCE EXPENSES			
							407			
							MATERIAL HANDLING			
							342			
							ONLINE TRANSPORTATION			
							210			
							USE TAX			
							448			
* GANG TOTAL							15,896	0	0	0
PROJECT SUBTOTAL							294,940	0	0	0
CONTINGENCIES							29,494	0	0	0
BILL PREPARATION FEE							1,623	0	0	0
PROJECT GROSS COST							326,057	0	0	0
LESS COST PAID BY OTHERS							268,996	0	0	0
PROJECT NET COST							57,061	0	0	0

\*\*\*\*\* MAINTAIN PROPRIETARY CONFIDENTIALITY \*\*\*\*\*

THE B. N. S. F. RAILWAY COMPANY  
FHPM ESTIMATE FOR  
ICC & METRA

LOCATION:- WESTERN SPRING DETAILS OF ESTIMATE PLAN ITEM: 000092963 VERSION: 1

## PURPOSE, JUSTIFICATION AND DESCRIPTION

SIGNAL COST ESTIMATE TO INSTALL CONSTANT WARNING AT GILBERT AVE., RE-USE EXISTING FLASHERS & GATES AND INSTALL LED INSERTS. L/S-0071, MP. 14.77, CHICAGO DIV., CHICAGO SUBDIV.

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\*\*\*\*\* SIGNAL WORK ONLY \*\*\*\*\*

ICC IS FUNDING 50% OF TOTAL PROJECT \$ 163,028.50  
METRA IS FUNDING 65% OF THE REMAINING 50% \$ 105,967.50  
BNSF IS FUNDING 35% OF THE REMAINING 50% \$ 57,061.00

MAINTAIN PROPRIETARY CONFIDENTIALITY.

DESCRIPTION	QUANTITY	U/M	COST	TOTAL \$
*****				
LABOR				
*****				
PLACE FIELD WELDS - CAP	261.60	MH	5,446	
PLACE RAIL - CAP	130.80	MH	2,587	
SIGNAL FIELD LABOR - CAP	1780.00	MH	37,893	
SIGNAL SHOP LABOR - CAP	104.00	MH	2,294	
PAYROLL ASSOCIATED COSTS			38,897	
EQUIPMENT EXPENSES			12,106	
DA LABOR OVERHEADS			43,387	
INSURANCE EXPENSES			7,601	
TOTAL LABOR COST			150,211	150,211
*****				
MATERIAL				
*****				
RAIL, 136 LB NEW WELDED, PREMIUM :	600.00	LF X	6,840	
WELDKIT, GENERIC FOR ALL RAIL WEIGHTS	30.00	KT X	1,590	
AX RELAYS	3.00	EA N	1,500	
BATTERY	1.00	LS N	7,550	
BUNGALOW 6X8	1.00	EA N	6,028	
BUNGALOW MATERIAL	1.00	LS N	7,396	
CABLE	1.00	LS N	4,000	
CHARGERS	1.00	LS N	1,355	
CONDUIT, PVC 4", SCH 80	120.00	FT N	468	
CONSTANT WARNING	3.00	EA N	39,048	
FIELD MATERIAL	1.00	LS N	5,460	
INDICATION PANEL	1.00	EA N	800	
LAMP RESISTOR PANEL	1.00	EA N	735	
LED GATE KIT	2.00	EA N	732	
LED LIGHT COST ADJUSTMENT	12.00	EA N	3,048	
LIGHT OUT DETECTOR	1.00	EA N	659	
MISC. MATERIAL	1.00	LS N	3,000	
RECORDER	1.00	EA N	2,145	
SHUNT, NBS	6.00	EA N	1,794	
SPREAD SPECTRUM RADIO	1.00	LS N	25,000	
TRK REPEATER RELAYS	6.00	EA N	3,000	
MATERIAL HANDLING			421	
ONLINE TRANSPORTATION			210	
USE TAX			8,005	
OFFLINE TRANSPORTATION			1,445	
TOTAL MATERIAL COST			132,229	132,229

\*\*\*\*\*

OTHER

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CONTRACT ENGR.  
FILL DIRT  
SURFACE ROCK

1.00 LS N  
10.00 CY N  
10.00 CY N

12,000  
250  
250

TOTAL OTHER ITEMS COST

-----  
12,500 12,500

PROJECT SUBTOTAL

-----  
294,940

CONTINGENCIES

29,494

BILL PREPARATION FEE

1,623

GROSS PROJECT COST

-----  
326,057

LESS COST PAID BY BNSF

57,061

TOTAL BILLABLE COST

-----  
268,996

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LOCATION	: HIGHLANDS	LINE SEGMENT	: 71	AFE NUMBER	:
PLANITEM NUMBER	: 000092964	MILEPOST	: 0015.47	RFA NUMBER	: 4343104
PROPERTY OF	: BNSF RAILWAY COMPANY	DIVISION	: CH	CPAR NUMBER	: C0000002
OPERATED BY	: BNSF RAILWAY COMPANY	SUBDIVISION	: CHICAGO	BUDGET YEAR	: 2004
JOINT FACILITY	: ICC & METRA	TRACK TYPE	: 2	BUDGET CLASS	: 10
% BILLABLE (+/-)	: 082.50	TAX STATE	: IL COUNTY: COOK	REPORTING OFFICE	: 455
REQUESTER ID	: Q891 - WILLIE MERRILL	MATL DATE	: 01/08/2004	SPONSOR	: VP ENGIN
PROJECT TYPE	: SGX	LOCATION CODE	: 381187	DEPT CODE	: MOWGH
DOT NUMBER	:			DERAILMENT CODE	:

PURPOSE, JUSTIFICATION AND DESCRIPTION

SIGNAL COST ESTIMATE TO INSTALL CONSTANT WARNING AT GRAND AVE., RE-USE EXISTING FLASHERS & GATES AND INSTALL LED INSERTS. L/S-0071, MP. 15.47, CHICAGO DIV., CHICAGO SUBDIV.

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\*\*\*\*\* SIGNAL WORK ONLY \*\*\*\*\*

ICC IS FUNDING 50% OF TOTAL PROJECT \$ 164,932.00  
METRA IS FUNDING 65% OF THE REMAINING 50% \$ 107,205.00  
BNSF IS FUNDING 35% OF THE REMAINING 50% \$ 57,727.00

MAINTAIN PROPRIETARY CONFIDENTIALITY.

\*\*\*\*\* NOTE \*\*\*\* NOTE \*\*\*\*\* FOR INTERNAL USE ONLY \*\*\*\*\* NOTE \*\*\*\* NOTE \*\*\*\*\*

	CASH CAPITAL	NONCASH CAPITAL	OPERATING EXP	REMOVAL COST	BILLABLE	TOTALS
LABOR COSTS	24,413	0	0	0	115,088	139,501
MATERIAL COSTS	25,617	0	0	0	120,766	146,383
OTHER COSTS	7,697	0	0	0	36,283	43,980
TOTALS	57,727	0	0	0	272,137	329,864

ENGINEERING SERVICES - KANSAS CITY  
ESTIMATE REF. NUMBER : 000092964 - 1-43-2S  
COSTING DATE : 03/04/2004

PRINTED ON : 03/12/2004  
ESTIMATED BY : JOHNSON  
PRINTED BY : JOHNSON

ACCT	CST	RSN	PPE	DESCRIPTION	QTY/ST	OT U/M	CASH	NONCASH	OPER	REMOVAL
8		400	9911	SIGNAL FIELD LABOR - CAP	1820.00	0.0 MH	38,745			
* LABOR SUBTOTAL							38,745	0	0	0
1120	313	400	9911	BATTERY	1.0	LS N	10,600			
1120	313	400	9911	BUNGALOW MATERIAL	1.0	LS N	9,071			
1120	313	400	9911	BUNGALOW, 6 X 8	1.0	EA N	6,028			
1120	313	400	9911	CABLE	1.0	LS N	6,800			
1120	313	400	9911	CHARGERS	1.0	LS N	1,355			
1120	313	400	9911	CONDUIT, PVC 4", SCH 80	120.0	FT N	468			
1120	313	400	9911	CONSTANT WARNING	3.0	EA N	61,473			
1120	313	400	9911	FIELD MATERIAL	1.0	LS N	6,500			
1120	313	400	9911	INDICATION PANEL	1.0	EA N	800			
1120	313	400	9911	LAMP RESISTOR	1.0	EA N	735			
1120	313	400	9911	LED GATE KIT	2.0	EA N	732			
1120	313	400	9911	LED LIGHT ADJUSTMENT	12.0	EA N	3,048			
1120	313	400	9911	LIGHT OUT DETECTOR	1.0	EA N	659			
1120	313	400	9911	MISC. MATERIAL	1.0	LS N	3,000			
1120	313	400	9911	RECORDER	1.0	EA N	2,145			
1120	313	400	9911	SHUNT, NBS	6.0	EA N	1,794			
1120	313	400	9911	SPREAD SPECTRUM RADIO	1.0	LS N	14,000			
1120	313	400	9911	TRK REPEATER RELAY	6.0	EA N	3,000			
* MATERIAL SUBTOTAL							132,208	0	0	0
1120	367	400	9911	CONTRACT ENGR.	1.0	LS N	12,000			
1120	790	400	9911	FILL DIRT	10.0	CY N	250			
1120	790	400	9911	SURFACE ROCK	10.0	CY N	250			
* OTHER SUBTOTAL							12,500	0	0	0
* ADDITIVES							31,255			
PAYROLL ASSOCIATED COSTS							31,255			
EQUIPMENT EXPENSES							9,728			
DA LABOR OVERHEADS							34,862			
INSURANCE EXPENSES							6,110			
USE TAX							8,667			
OFFLINE TRANSPORTATION							1,657			
* GANG TOTAL							275,732	0	0	0
8		400	9911	SIGNAL SHOP LABOR - CAP	128.00	0.0 MH	2,823			
* LABOR SUBTOTAL							2,823	0	0	0
* ADDITIVES							2,277			
PAYROLL ASSOCIATED COSTS							2,277			
EQUIPMENT EXPENSES							708			
DA LABOR OVERHEADS							2,540			
INSURANCE EXPENSES							445			
* GANG TOTAL							8,793	0	0	0
8		241		PLACE FIELD WELDS - CAP	96.00	8.6 MH	2,179			
* LABOR SUBTOTAL							2,179	0	0	0
1120	308	200		WELDKIT, GENERIC FOR ALL RAIL WEIGHT	12.0	KT X	636			
* MATERIAL SUBTOTAL							636	0	0	0
* ADDITIVES							1,757			
PAYROLL ASSOCIATED COSTS							1,757			
EQUIPMENT EXPENSES							547			
DA LABOR OVERHEADS							1,960			
INSURANCE EXPENSES							343			
MATERIAL HANDLING							31			
USE TAX							41			
OFFLINE TRANSPORTATION							8			
* GANG TOTAL							7,502	0	0	0
8		241		PLACE RAIL - CAP	48.00	4.3 MH	1,035			

ACCT	CST	RSN	PPE	DESCRIPTION	QTY/ST	OT U/M	CASH	NONCASH	OPER	REMOVAL
* LABOR SUBTOTAL							1,035	0	0	0
1120	308	200		RAIL, 136 LB NEW WELDED, PREMIUM :	240.0	LF X	2,736			
* MATERIAL SUBTOTAL							2,736	0	0	0
* ADDITIVES							834			
PAYROLL ASSOCIATED COSTS							259			
EQUIPMENT EXPENSES							931			
DA LABOR OVERHEADS							163			
INSURANCE EXPENSES							136			
MATERIAL HANDLING							84			
ONLINE TRANSPORTATION							179			
USE TAX										
* GANG TOTAL							6,357	0	0	0
PROJECT SUBTOTAL							298,384	0	0	0
CONTINGENCIES							29,838	0	0	0
BILL PREPARATION FEE							1,642	0	0	0
PROJECT GROSS COST							329,864	0	0	0
LESS COST PAID BY OTHERS							272,137	0	0	0
PROJECT NET COST							57,727	0	0	0



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THE B. N. S. F. RAILWAY COMPANY  
FHEM ESTIMATE FOR  
ICC & METRA

LOCATION:- HIGHLANDS DETAILS OF ESTIMATE PLAN ITEM: 000092964 VERSION: 1

## PURPOSE, JUSTIFICATION AND DESCRIPTION

SIGNAL COST ESTIMATE TO INSTALL CONSTANT WARNING AT GRAND AVE., RE-USE EXISTING FLASHERS & GATES AND INSTALL LED INSERTS. L/S-0071, MP. 15.47, CHICAGO DIV., CHICAGO SUBDIV.

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BNSF IS FUNDING 35% OF THE REMAINING 50% \$ 57,727.00

MAINTAIN PROPRIETARY CONFIDENTIALITY.

DESCRIPTION	QUANTITY	U/M	COST	TOTAL \$
*****				
LABOR				
*****				
PLACE FIELD WELDS - CAP	104.64	MH	2,179	
PLACE RAIL - CAP	52.32	MH	1,035	
SIGNAL FIELD LABOR - CAP	1820.00	MH	38,745	
SIGNAL SHOP LABOR - CAP	128.00	MH	2,823	
PAYROLL ASSOCIATED COSTS			36,123	
EQUIPMENT EXPENSES			11,242	
DA LABOR OVERHEADS			40,293	
INSURANCE EXPENSES			7,061	
TOTAL LABOR COST			139,501	139,501
*****				
MATERIAL				
*****				
RAIL, 136 LB NEW WELDED, PREMIUM :	240.00	LF X	2,736	
WELDKIT, GENERIC FOR ALL RAIL WEIGHTS	12.00	KT X	636	
BATTERY	1.00	LS N	10,600	
BUNGALOW MATERIAL	1.00	LS N	9,071	
BUNGALOW, 6 X 8	1.00	EA N	6,028	
CABLE	1.00	LS N	6,800	
CHARGERS	1.00	LS N	1,355	
CONDUIT, PVC 4", SCH 80	120.00	FT N	468	
CONSTANT WARNING	3.00	EA N	61,473	
FIELD MATERIAL	1.00	LS N	6,500	
INDICATION PANEL	1.00	EA N	800	
LAMP RESISTOR	1.00	EA N	735	
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LIGHT OUT DETECTOR	1.00	EA N	659	
MISC. MATERIAL	1.00	LS N	3,000	
RECORDER	1.00	EA N	2,145	
SHUNT, NBS	6.00	EA N	1,794	
SPREAD SPECTRUM RADIO	1.00	LS N	14,000	
TRK REPEATER RELAY	6.00	EA N	3,000	
MATERIAL HANDLING			167	
ONLINE TRANSPORTATION			84	
USE TAX			8,887	
OFFLINE TRANSPORTATION			1,665	
TOTAL MATERIAL COST			146,383	146,383
*****				

OTHER				
*****				
CONTRACT ENGR.	1.00	LS N	12,000	
FILL DIRT	10.00	CY N	250	
SURFACE ROCK	10.00	CY N	250	
TOTAL OTHER ITEMS COST			12,500	12,500
PROJECT SUBTOTAL				298,384
CONTINGENCIES				29,838
BILL PREPARATION FEE				1,642
GROSS PROJECT COST				329,864
LESS COST PAID BY BNSF				57,727
TOTAL BILLABLE COST				272,137
				=====